

**MAMMALIAN NEURALIZED FAMILY TRANSCRIPTIONAL REGULATORS
AND USES THEREFOR**

Abstract of the Disclosure

5 The disclosure relates to isolated polynucleotides and purified polypeptides of
the Neu family of proteins, which have been shown to demonstrate transcriptional
regulatory activity. For example, the purified polynucleotide can encode a Neu
polypeptide, wherein the Neu polypeptide comprises at least one neuralized homology
10 polypeptide, wherein the Neu polypeptide comprises at least one neuralized homology
repeat domain and a C3HC4 RING-zinc finger domain is disclosed. A purified Neu
polypeptide, wherein the Neu polypeptide comprises at least one neuralized homology
repeat domain and a C3HC4 RING-zinc finger domain is disclosed. Antibodies capable
of specifically binding to the disclosed Neu polypeptides are disclosed. Vectors
expressing the disclosed Neu protein coding regions and host cells containing the
vectors are disclosed. Methods of making the Neu proteins disclosed are also provided,
15 as are method of identifying binding partners that interact with a Neu protein family
member.

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